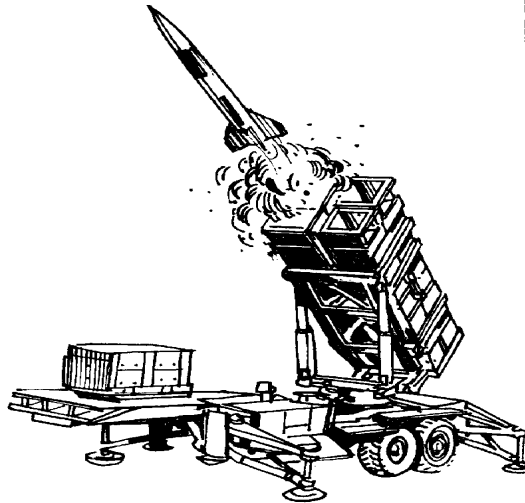
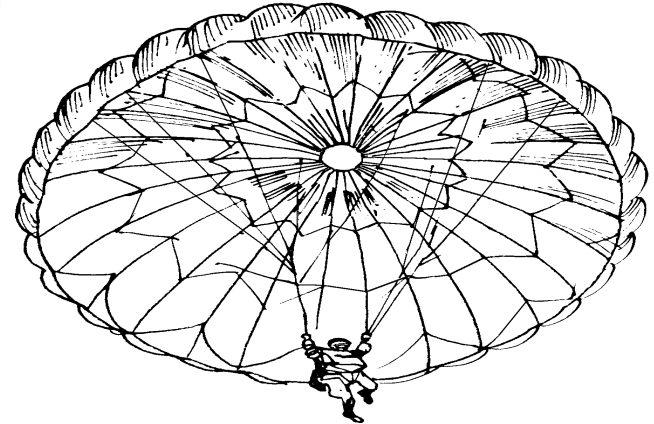
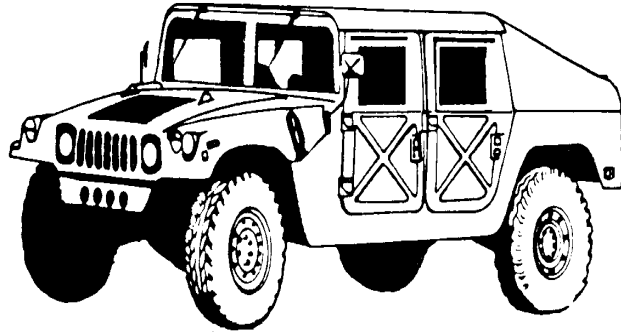




MAINTENANCE OPERATIONS





MAINTENANCE SYSTEM FOUR LEVELS



- **Unit Level ----- 10/20 Level**
- **Direct Support ----- 30 Level**
- **General Support ----- 40 Level**
- **Depot---System Overhaul Level**



MAINTENANCE XXI



UNIT

DIRECT SPT

GENERAL SPT

DEPOT

**FIELD AND
SUSTAINME
NT**



MAINTENANCE FUNCTIONS



- ***INSPECT***
- ***TEST***
- ***SERVICE***
- ***ADJUST/ALIGN***
- ***CALIBRATE***
- ***REMOVE/INSTALL***
- ***REPLACE***
- ***REPAIR***
- ***OVERHAUL***
- ***REBUILD***



ARMY OIL ANALYSIS PROGRAM



- **A condition monitoring program**
- **Detects potential equipment component failure**
- **Identifies lubricant condition**
- **Improves equipment reliability and readiness**



AOAP SPECIAL SAMPLES



- At the request of the laboratory.
- Immediately before transfer among commands or overseas deployment of equipment.
- After maintenance, overhaul, or replacement of a component



AOAP SPECIAL SAMPLES, cont.



- After indication of a problem, for example, overheating, excessive oil loss, or loss of oil pressure.
- After indication of contamination that is cloudy, sludge, M60A1 Tank water, excessively dirty, visible metal particles.



ARMY OPERATOR LICENSING



- <http://safety.army.mil/pages/pov/driverstraining.html/>
- Must have state license
- CO is issuing officer
- Valid for 4 years



RECOVERY AND BATTLEFIELD DAMAGE ASSESSMENT AND REPAIR



- Recovery-procedure that retrieves or frees immobile or inoperative vehicles by towing, lifting and winching.
- BDAR-Any action taken to return disabled equipment rapidly to the operational commander during combat – “Jury-Rigging.”



BDAR



- Done in combat/Trained in Peacetime
- Standard Maintenance is always the first choice--decision based on parts availability and METT-T
- BDAR kits should be in each vehicle



BDAR (cont)



- Assess before attempting repair
- Perform only needed repairs--cosmetic repairs are unnecessary
- Senior man present decides when and if to perform BDAR



BDAR SAFETY



- Check for fuel/oil spills, damaged cables and wires, and live/loaded ammo.
- Check for chemical contamination if necessary.
- Maintain high alert for booby traps on abandoned equipment.
- Do not operate until you make a full assessment.



RECOVERY METHODS



- Self Recovery
- Like Recovery
- Dedicated Vehicle Recovery



REASONS FOR RECOVERY



- Repair Damaged Equipment
- Retrieve Abandoned Equipment
- Prevent Enemy Capture of Equipment
- Obtain Intelligence Information



MANAGING RECOVERY ASSETS



- Centrally Managed
- Priority of Recovery
- Coordinate with Maintenance Effort
- Return to Unit Maintenance Collection Point (UMCP)



RECOVERY SAFETY



- Follow Safe Rigging Guidelines
- Don't overload ground shocks and anchoring spades
- Use extreme caution while towing--use brake vehicle if necessary
- Be careful around all suspended loads
- Allow only the minimum required personnel in the area



TYPES OF MAINTENANCE PUBLICATIONS



- Army Regulations
- Department of the Army Pamphlets
- Technical Manuals (TMs)
- Technical Bulletins (TBs)
- Supply Bulletins/Circulars (SBs/SCs)
- Lubrication Orders (LOs)
- Modification Work Orders (MWOs)



TYPES OF TAMMS RECORDS



- Operational Records
- Maintenance Records
- Historical Records



ULLS GENERATED FORMS



MANUAL

- **DA FORM 5823**
- **DD FM 1970**
- **DA FM 2401**
- **DD FM 314**
- **DA FM 2404**
- **DA FM 2407**
- **DA FM 2408-14**

AUTOMATED

- **NOT REQUIRED**
- **DA FM 5987-E**
- **DA FM 5982-E**
- **DA FM 5986-E**
- **DA FM 5988-E**
- **DA FM 5990-E**
- **DA FM 5988-E**



DA FORM 5823

EQUIPMENT IDENTIFICATION CARD



PURPOSE:

- TIES A PARTICULAR EQUIPMENT RECORD TO AN ITEM OF EQUIPMENT.

USE:

- THE DISPATCHER AND OPERATOR USE IT TO KEEP UP WITH SERVICES AND TO MAKE SURE THEY ISSUE THE RIGHT FOLDER.

DISPOSITION:

- REPLACE WHEN IT IS NO LONGER READABLE.



DA FORM 2401/5982-E ***DISPATCH CONTROL LOG***



PURPOSE:

- A RECORD OF OPERATORS AND LOCATION OF EQUIPMENT ON DISPATCH OR IN USE.

USE:

- DISPATCHERS NOTE THE DISPATCH OR USE OF EQUIPMENT.

DISPOSITION:

- DESTROY ONE MONTH AFTER YOU CLOSING OUT THE LAST ENTRY IN COLUMN ONE.



DA FORM 2404/5988-E EQUIPMENT INSPECTION/MAINTENANCE WORKSHEET



PURPOSE:

- IT IS THE CENTRAL RECORD FOR MANAGING AND CONTROLLING MAINTENANCE .

USE:

- USED BY PERSONNEL PERFORMING INSPECTIONS, MAINTENANCE SERVICES, DIAGNOSTICS CHECKS, AND SPOT CHECKS.

DISPOSITION:

- KEPT IN THE EQUIPMENT RECORD FOLDER OR PROTECTED COVER UNTIL COMPLETED IF YOU HAVE FOUND NO FAULTS.



DD FORM 314/DA FORM 5986-E PREVENTIVE MAINTENANCE SCHEDULE AND RECORD



PURPOSE:

- IS A RECORD OF SCHEDULED AND PERFORMED UNIT MAINTENANCE INCLUDING LUBRICATION SERVICES.

USE:

- SCHEDULE PERIODIC SERVICES ON EQUIPMENT.

DISPOSITION:

- DESTROY AFTER TRANSFERRING NEEDED INFORMATION TO A NEW FORM.
- DESTROY WHEN YOU SEND THE EQUIPMENT TO SALVAGE.



DD FORM 1970/5987-E MOTOR EQUIPMENT UTILIZATION RECORD



PURPOSE:

- A RECORD OF MOTOR EQUIPMENT USE

USE:

- CONTROL THE USE OF SPECIAL PURPOSE AND MATERIAL HANDLING EQUIPMENT, COMBAT, TACTICAL, AND NON-TACTICAL VEHICLES
- RECORD OPERATING TIME ON EQUIPMENT THAT REQUIRES SERVICES BASED ON HOURS ONLY

DISPOSITION:

- VARIES, SITUATIONAL



DA FORM 2026/5991 OIL ANALYSIS REQUEST



- USED TO ORDER TEST OR SERIES OF TESTS
- COMPLETE THE FORM FOR EACH SAMPLE REQUESTED
- LAB INDICATES TESTING RESULTS ON THE FORM



DA FORM 5984-E OPERATORS PERMIT RECORD



- REPLACES OF 346.
- PROVIDES VERIFICATION OF LICENSING FOR THE OPERATOR.



CATEGORIES OF MAINTENANCE IN ULLS-G



- Operational Processes
- Equipment Data Update
- Equipment Data Reports
- Maintenance Support Functions
- The Army Materiel Status System



MAINTENANCE MANAGEMENT TOOLS



- Readiness Reports
 - DA Form 2406
 - Non-Mission Capable Report
 - Equipment Maintenance and Inspection Worksheet
 - Service Schedule Due
- Prescribed Load List (PLL)